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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/600,955	06/20/2003	Apurva Dolatrai Naik	STL11224	9494

7590 01/06/2006  
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EXAMINER

SNIEZEK, ANDREW L

ART UNIT PAPER NUMBER

2651

DATE MAILED: 01/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/600,955

Applicant(s)

NAIK, APURVA DOLATRAI

Examiner

Andrew L. Snizek

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 October 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

1. The following action is taken in view of the response filed 10/25/05.

*Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claim 1-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Kovinskaya et al.

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Kovinskaya et al. teaches an apparatus and corresponding method of operation that generates a reference velocity to control a moveable arm (see velocity curve (V)) and figure 1 which based on the distance between a present location and desired location a derivative of the velocity, i.e. an acceleration to vary linearly with respect to

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time, see acceleration curves. With respect to claim 2, the profile of the velocity curve (V) as depicted is deemed to satisfy the claimed function. Re claim 3: the second function is deemed satisfied by the position derivative function as describes in column 4, lines 59-67. Apparatus claims 4-6 are drawn to the apparatus corresponding to the method of using same as claimed in claims 1-3. Therefore apparatus claims 4-6 correspond to method claims 1-3 and are rejected for the same reasons of anticipation as used above. The claimed motor as set forth in claim 7 is satisfied by the actuator motor arrangement including coil (114) depicted in figure 1. The claimed medium of claim 8 is taught by element (108) which as seen in figure 1 moves with respect to the moveable assembly. The limitations of claim 9 are satisfied by combination of elements (126 and 128). The claimed transducer set forth in claim 10 is satisfied by element (112). Due to the pivot point of the actuator as shown in figure 1 the head moves in a linear manner as set forth in claim 11.

4. Claims 12-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Brittner.

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

5. Brittner teaches an apparatus and corresponding method as described in column 9 that determines a head velocity, compares the current velocity with the reference velocity, which is then scaled and combined with a deceleration signal that generates a command signal that is used to move the actuator. The deceleration signal is deemed equivalent to the claimed acceleration signal since both are based on at the change in velocity. Also, an acceleration signal can be inherently found by the derivative of the velocity signal.. As broadly as set forth the limitations of claim 12 are deemed satisfied by this teaching. The claimed current velocity, position and acceleration of the arm as set forth is also, deemed satisfied by the teaching as discussed in column 9 of Brittner.

#### ***Response to Arguments***

6. Applicant's arguments filed 10/25/05 have been fully considered but they are not persuasive. Applicant argues with respect to Kovinskaya that although it is known that acceleration is directly proportional to a first derivative of velocity, it does not teach a function that causes a first derivative with respect to time of the velocity to vary linearly. Contrary to applicant's remarks, Kovinskaya does teach a velocity that is based on a function. This function is based on the position of the head as it moves from a initial position to a desired position. As seen from figure 3, the acceleration (first derivative of the velocity) does vary linearly. Similarly, with respect to applicants arguments concerning Brittner, this reference does teach a function of distance that is used to determine velocity and acceleration (first derivative of velocity) that does vary linearly since as disclosed in column 6, line 40 "there are no non-linear terms".

#### ***Conclusion***

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

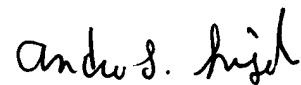
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew L. Snizek whose telephone number is 571-272-7563. The examiner can normally be reached on Mon.-Fri..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Hudspeth can be reached on 571-272-7843. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Andrew L. Sniezek  
Primary Examiner  
Art Unit 2651

A.L.S.  
1/4/05